

Comparisons of Job Characteristics

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation: Management Analysts (13-1111)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 17

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
Associated Occupation: Management Analysts (13-1111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	19.6	10.8	<<	Extensive education and/or training may be required
Administration and Management	8.4	16.2	10.9	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	14.2	7.1	<<	Extensive education and/or training may be required
Clerical	7.3	13.8	8.8	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	10.9	7.5	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	9.0	5.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
Associated Occupation: Management Analysts (13-1111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Judgment and Decision Making	9.4	12.5	12.0	0	Current skill level may be sufficient
Complex Problem Solving	9.1	12.3	11.8	0	Current skill level may be sufficient
Monitoring	9.9	12.0	10.8	<	A higher skill level may be required
Systems Analysis	6.5	11.4	10.6	0	Current skill level may be sufficient

Systems Evaluation	6.4	11.4	10.5	0	Current skill level may be sufficient
Operations Analysis	5.0	11.3	11.0	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111) Associated Occupation: Management Analysts (13-1111)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	16.2	14.7	<	Some improvement in abilities may be required
Oral Comprehension	12.5	15.9	14.6	0	Current ability level may be sufficient
Written Comprehension	11.0	15.4	14.1	0	Current ability level may be sufficient
Written Expression	9.8	15.0	13.4	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	14.7	14.3	0	Current ability level may be sufficient
Deductive Reasoning	10.6	14.2	14.1	0	Current ability level may be sufficient
Information Ordering	9.9	12.2	11.9	0	Current ability level may be sufficient
Fluency of Ideas	7.6	10.1	11.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 41
Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111) Associated Occupation: Management Analysts (13-1111)		
Work Activities	Exclusivity of Activity	
Communicate technical information	4	
Conduct training for personnel	30	
Develop plans for programs or projects	31	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 70
Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111) Associated Occupation: Management Analysts (13-1111)		

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.